Index of Claims



Application/Control No.

10/770,092

Examiner

AHN, TAE-JIN

Applicant(s)/Patent under Reexamination

Art Unit

Carolyn L. Smith

1631

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | Date                                   |        |   |   |    |   |        |          |   |   |
|-------|--|--------|---|---|----|---|--------|----------|---|---|
| Final | Original                               | 1/3/08 |   |   |    |   |        |          |   |   |
|       | 1                                      | 1      |   | Г |    |   | Τ      |          |   |   |
|       | 2                                      | 1      | Г | Г | 1  |   | T      | T        |   |   |
|       | 3                                      | 1      |   | T |    |   |        |          | 1 |   |
|       | 1<br>2<br>3<br>4<br>5                  | П      |   |   | П  | Π | Т      | 1        | Т | Т |
|       | 5                                      | V      |   | П | Т  | 1 | Τ      | T        | Т | П |
|       | 6<br>7                                 | V      |   |   | П  |   | Т      | Π        | П | _ |
|       | 7                                      | 1 1 1  |   |   |    |   |        |          | Γ |   |
|       | 8                                      | 1      |   |   |    |   | Π      |          |   |   |
|       | 9                                      |        |   |   |    | П |        |          | П |   |
|       | 10                                     | N      |   |   |    |   |        |          | Т |   |
|       | 11                                     | N      |   |   |    | 1 |        |          |   |   |
|       | 12                                     | N      |   |   |    |   | $\Box$ | $\prod$  |   |   |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17 | N      |   |   |    |   |        |          |   |   |
|       | 14                                     | N      |   |   |    |   |        |          | П |   |
|       | 15                                     | N      |   |   |    |   |        |          |   |   |
|       | 16                                     | N      |   |   |    |   |        |          |   |   |
|       | 17                                     | N      |   |   |    |   |        |          | Π |   |
|       | 18                                     | N      |   |   |    |   |        |          |   |   |
|       | 19                                     | 1      |   |   |    |   |        |          | Γ | П |
|       | 20                                     |        |   |   |    |   | П      |          | П |   |
|       | 20<br>21<br>22                         |        |   |   |    |   |        |          |   |   |
|       | 22                                     |        |   |   |    |   | П      |          | Г |   |
|       | 23<br>24<br>25                         |        |   | Г |    | Ī |        | П        |   | Π |
|       | 24                                     |        |   |   |    |   |        | Π        |   |   |
|       | 25                                     |        |   |   |    |   |        | П        |   |   |
|       | 26<br>27                               |        |   |   |    |   |        |          |   |   |
|       | 27                                     |        |   | Г |    | Г |        |          |   |   |
|       | 28                                     |        |   |   |    |   |        |          |   |   |
|       | 29                                     |        |   |   |    |   |        |          |   |   |
|       | 30                                     |        |   |   |    |   |        |          |   |   |
|       | 31<br>32                               |        |   |   |    |   | l      |          |   |   |
|       | 32                                     |        |   |   |    |   |        |          |   |   |
|       | 33                                     |        |   |   |    |   |        |          |   |   |
|       | 34                                     |        |   |   |    |   |        |          |   |   |
|       | 35                                     |        |   |   | _  |   | _      |          |   |   |
|       | 36                                     |        |   |   |    |   |        |          |   |   |
|       | 37                                     |        |   |   |    |   |        |          |   |   |
|       | 38                                     |        |   |   |    |   |        | L        |   |   |
|       | 39                                     |        |   |   | L. |   | L      |          |   |   |
|       | 40                                     |        |   |   | L  |   |        |          |   |   |
|       | 41                                     |        |   |   | _  |   |        |          |   |   |
|       | 42                                     |        |   |   | L  |   |        |          |   |   |
|       | 43                                     |        |   |   |    |   |        |          |   |   |
|       | 44                                     |        |   |   |    | L | L      | <u> </u> |   |   |
| ]     | 45                                     |        |   |   |    |   |        |          |   |   |
| I     | 46                                     | $\Box$ |   |   |    |   |        | $\Box$   |   |   |
| T     | 47                                     |        |   |   |    |   |        |          |   |   |
|       | 48                                     |        |   |   |    |   |        |          |   |   |
|       | 49                                     |        |   |   |    |   |        |          |   |   |
|       | 50                                     |        |   |   |    |   |        |          |   |   |

| CI       | aim            | Date   |          |                |          |              |          |          |          |  |  |
|----------|----------------|--|----------|----------------|----------|--------------|----------|----------|----------|--|--|
| Final    | Original       |  |          |                |          |              |          |          |          |  |  |
| <u> </u> | 51             | ╁  | ╁        | +              | +        | ╁            | ╁        | ╁        | ╁        | ╁  |  |
|          | 52             | 1  | 1        |                |          |              |          | T        |          |  |  |
|          | 52<br>53       |  |          | Т              | Т        | Т            | П        | Г        |          | Τ  |  |
|          | 54             |  |          |                |          | L            | L        |          |          |  |  |
|          | 55<br>56       |  | <u> </u> |                | L        | $\perp$      |          |          |          |  |  |
|          | 56             | $\perp$  | L        | 1              |          |              | <u> </u> |          | _        | <u> </u>   |  |
| L        | 57             | ┺  | ┺        | ↓              | ļ        | ↓_           | _        | ↓_       | <u> </u> | <u> </u>   |  |
|          | 58             | _  | <u> </u> | ╄              | ↓_       | ↓_           | $\perp$  | $\vdash$ | ╄        | $\vdash$   |  |
|          | 59             | ┿  | ╄        | ╁              | -        | ▙            | ╄        | ╄        | <b>├</b> | ╄  |  |
| <u> </u> | 60             | ╀  | ╄        | ╀              | ╀        | ╄            | ⊢        |          | ╀        | ┼  |  |
|          | 61<br>62       | ╀╌   | ╂        | ╀              | ⊢        | -            | ⊢        | ⊢        | ├        | ⊢  |  |
| ┝        | 63             | ┼  | ╁        | ╄              | ╁        | -            | ╀        | ╀        | ┿        | ⊢  |  |
|          | 64             | -  | ╁        | ╁╾             | ╁        | -            | $\vdash$ | ⊢        | ╁        | ╁  |  |
|          | 65             |  | $\vdash$ | +              | ┼        | ╁            | ╁╌       | ╁╌       | ┢        | _  |  |
|          | 66             | $\vdash$   | $\vdash$ | ╁              | ╁        | ╁            | +        | $\vdash$ | +        | $\vdash$   |  |
|          | 67             | ┢  | ╁        | $\vdash$       | +        | ╁╌           | ╁┈       | ╁        | ╁        | ┢  |  |
|          | 68             | $\vdash$   | $\vdash$ | $\vdash$       | ╁        | +-           | ╁        | 1        | 1        | 1  |  |
|          | 69             | -  | +-       | +              | $\vdash$ | +            | $\vdash$ | $t^-$    | $\vdash$ | $\vdash$   |  |
|          | 70             | $\vdash$   | Ė        |                | t        | t            | t        |          | H        |  |  |
|          | 71             | T  | $\vdash$ | 1              |          | 1            | T        |          | 1        | <del>                                     </del> |  |
|          | 72             | <u> </u>   | 1        | $\vdash$       | T        |              | T        | $\vdash$ | <b> </b> | T  |  |
|          | 72<br>73<br>74 | Т  | T        |                |          |              | İ        | T        | T        | Г  |  |
|          | 74             | Г  |          |                |          | İ            |          |          |          |  |  |
|          | 75<br>76       |  |          |                |          |              |          |          |          |  |  |
|          | 76             |  |          |                |          | L            |          |          |          |  |  |
|          | 77             | _  | <u> </u> |                | <u> </u> | L            |          |          |          |  |  |
|          | 78<br>79       | _  | _        | <u> </u>       | _        |              |          | L        | 乚        | <u>L</u>   |  |
|          | 79             | _  | _        | <u> </u>       | <u> </u> | _            | <u> </u> |          | L        | _  |  |
|          | 80             | <del>                                     </del> | ļ        | <del> </del> _ | <u> </u> | <u> </u>     | _        | L        | ļ        | _  |  |
|          | 81             | ⊢  | <u> </u> | <u> </u>       | <u> </u> | ├-           | <u> </u> | <u> </u> | <u> </u> | <u> </u>   |  |
|          | 82             | ┝  | ⊢        | ⊢              | $\vdash$ | ┝            | ├        |          |          | H  |  |
|          | 83<br>84       | ┢  | -        | ┢              |          | <del> </del> | ├        | -        |          |  |  |
|          | 85             | ├  |          | ├-             | -        | ├-           | $\vdash$ | $\vdash$ | ┢        |  |  |
|          | 86             | ╁╌   |          | $\vdash$       | $\vdash$ | ┢            | -        | $\vdash$ |          | -  |  |
|          | 87             | t  | $\vdash$ | $\vdash$       | $\vdash$ |              | _        | -        |          | $\vdash$   |  |
|          | 88             |  |          |                | -        | _            |          |          |          |  |  |
|          | 89             |  |          |                | $\vdash$ | _            |          |          |          |  |  |
|          | 90             |  | _        | 1              |          | $\vdash$     |          |          |          |  |  |
|          | 91             |  |          |                |          | _            |          |          |          |  |  |
|          | 92             | Г  |          |                |          | _            |          |          |          |  |  |
|          | 93             |  |          |                |          |              |          |          |          |  |  |
|          | 94             |  |          |                |          |              |          |          |          |  |  |
|          | 95             | <u> </u>   |          | L              |          |              |          |          |          |  |  |
|          | 96             |  |          | _              | L        | <u> </u>     | Ш        |          | Щ        |  |  |
|          | 97             |  | _        |                |          | <u> </u>     | Ш        |          | Ш        |  |  |
|          | 98             | <u> </u>   | _        | <u> </u>       | _        | ļ            | _        |          | Щ.       |  |  |
|          | 99             | <u> </u>   |          | <u> </u>       | _        | <u> </u>     |          |          |          |  |  |
|          | 100            |  | Ι        |                |          |              |          |          |          |  |  |

| CI       | aim                                    | T        | Date     |          |          |              |          |          |          |                 |  |
|----------|--|----------|----------|----------|----------|--------------|----------|----------|----------|-----------------|--|
|          | 1                                      | T        | Τ        | Т        | Τ        | Т            | Τ        | Т        | T        |                 |  |
| Final    | Original                               |          |          |          |          |              |          |          |          |                 |  |
| Œ        | ō                                      |          | 1.       |          |          |              |          |          |          |                 |  |
|          | 101<br>102                             | ╁        | t        | ╁        | 十        | +            | t        | t        | ╁╴       | †               |  |
|          | 102                                    |          | Τ        | Т        | Τ        | T            |          | Т        | T        |                 |  |
|          | 103                                    |          |          | T        |          | Т            | Т        | Т        | Т        |                 |  |
|          | 104                                    |          | Т        |          | П        |              |          |          |          |                 |  |
|          | 104<br>105                             |          |          |          | L        |              | L        |          |          |                 |  |
|          | I 106                                  | L        | L        | _        | $\perp$  | <u> </u>     | _        |          | L        | L               |  |
|          | 107                                    | ļ        | _        | $\perp$  | $\perp$  | <u> </u>     | 1_       |          | ┸        | <u> </u>        |  |
|          | 107<br>108<br>109                      | ╄        | ╄        | ╄        | ↓_       | ļ            | 1        | ┞        | ـــــ    | <u> </u>        |  |
|          | 109                                    |          | ↓        | ┼-       | ↓_       | -            | $\vdash$ | ╄        | ╄        | <u> </u>        |  |
|          | 110<br>111                             | ╀        | 1        | ╁        | ╀        | ╄            | ╀        | ╀        | ╄        | <del> </del>    |  |
|          | 111                                    | ╀        | ┿-       | ┼        | ╀        | ┿            | ╀        | ╄        | ╆        | H               |  |
|          | 112                                    | ┼        | -        | ╂        | ┼        | ┼            | ╀        | ╀        | ╀        |                 |  |
| <u> </u> | 113                                    | +        | ╀        | +        | ╀        | ╁            | ┼        | ┼        | -        | -               |  |
| <u> </u> | 115                                    | ╁        | +        | +        | +        | ╁            | ╁        | +        | +-       | ╁               |  |
|          | 112<br>113<br>114<br>115<br>116<br>117 | ╁        | ╁        | +        | ╁        | ╁╌           | ╁╌       | ╁        | ╁        | $\vdash$        |  |
| <u> </u> | 117                                    | ╁╌       | +        | ╁╌       | +        | +            | H        |          | $\vdash$ | $\vdash$        |  |
| <u> </u> | 118                                    | ╁        | H        | H        | $\vdash$ | H            | H        | ┢╌       | $\vdash$ | +               |  |
|          | 119                                    |          | T        | ╁╌       | ┼─       | +-           | ╁┈       | ╁        | $\vdash$ | $\vdash$        |  |
|          | 120                                    | ✝        | $\vdash$ | T        | $\vdash$ | T            | T        | T        | $\vdash$ | $\Box$          |  |
|          | 121                                    | 1        |          | t        | $\vdash$ | $\vdash$     | †        | T        | ✝        | Н               |  |
|          | 122                                    | T        | t        | 1        | 1        | T            | Г        | Т        | 1        |                 |  |
|          | 121<br>122<br>123                      |          |          |          | T        | Т            |          |          |          |                 |  |
|          | 124<br>125<br>126                      |          |          | 1        | Т        | Т            |          |          |          |                 |  |
|          | 125                                    |          |          |          |          |              |          |          |          |                 |  |
|          | 126                                    |          |          |          |          |              |          |          |          |                 |  |
|          | 127<br>128<br>129                      | <u> </u> | L        | ╽        |          |              |          |          | L.       | Ш               |  |
|          | 128                                    | <u> </u> | <u> </u> | <u> </u> | ļ        | L.           | <u> </u> |          | _        | Ш               |  |
|          | 129                                    | <u> </u> | $\vdash$ | _        | 1        | <u> </u>     |          |          | <u> </u> | Ш               |  |
|          | 130<br>131                             | <u> </u> | L        | ▙        | ▙        | ┡            | <u> </u> |          | ├-       | Щ               |  |
|          | 131                                    | -        |          | ┼        | ├-       | ├            | ⊢        | ├        | ⊢        | <b>-</b>        |  |
|          | 132<br>133                             |          | ├        | ╀        | ┢        | ⊢            | ⊢        | ├        | ┡        | $\vdash$        |  |
|          | 134                                    | ├-       | ├-       | -        | -        | +-           | -        | H        | +-       | $\vdash \vdash$ |  |
|          | 135                                    |          |          | $\vdash$ |          | <del> </del> | $\vdash$ | $\vdash$ | ├        | Н               |  |
|          | 135<br>136                             | $\vdash$ |          |          |          | $\vdash$     | -        | -        | $\vdash$ | $\vdash$        |  |
|          | 137                                    | $\vdash$ |          | $\vdash$ | $\vdash$ |              | $\vdash$ |          |          | H               |  |
|          | 138                                    | T        | $\vdash$ | T        | Г        | _            |          |          | <b></b>  | Н               |  |
|          | 138<br>139                             |          | Г        |          | T        | Γ            |          | Г        |          | H               |  |
|          | 140                                    |          |          | Γ        |          |              | Ī        |          |          | П               |  |
|          | 141                                    |          |          |          |          |              | Ĺ        |          |          |                 |  |
|          | 142                                    |          |          |          |          |              |          |          |          |                 |  |
|          | 143                                    |          |          |          |          |              | $\Box$   | Ĺ        |          |                 |  |
|          | 144                                    |          |          |          |          |              |          |          |          |                 |  |
|          | 145                                    |          |          |          | L        |              |          |          | Ц.       |                 |  |
|          | 146                                    | Ш        | L        | L        | _        |              | _        |          |          |                 |  |
|          | 147                                    |          | L.,      | <u> </u> | <u> </u> | Щ            |          | _        | Щ        | _               |  |
|          | 148                                    |          | Ш        | <u> </u> | <u> </u> | Щ            |          |          | Ш        | Щ               |  |
|          | 149                                    |          |          | $\vdash$ | _        | Щ            | _        |          | Ш        | $\dashv$        |  |
|          | 150                                    |          |          |          | _        |              |          |          |          | لـــا           |  |